

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

10/27/2003 MHEKONEN-00000019 500449 10691032
01 FC:1001 770.00 DA
02 FC:1202 72.00 DA

Adjustment date: 01/02/2004 EEKUBAY1
10/27/2003 MHEKONEN 00000019 500449 10691032
01 FC:1001 770.00 CR
02 FC:1202 72.00 CR

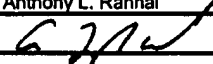
01/02/2004 EEKUBAY1 00000010 500494 10691032
01 FC:1001 770.00 DA
02 FC:1202 72.00 DA

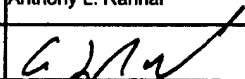
PTO-1556
(5/87)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | |
|---|------------------------|------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/691,032 |
| | Filing Date | October 22, 2003 |
| | First Named Inventor | Weizheng Wang |
| | Art Unit | Unknown |
| | Examiner Name | Unknown |
| | Attorney Docket Number | |
| Total Number of Pages in This Submission | | |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input checked="" type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): Acknowledgement postcard |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | Anthony L. Rahhal |
| Signature |  |
| Date | December 19, 2003 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
|---|---|------|-------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | | |
| Typed or printed name | Anthony L. Rahhal | | |
| Signature |  | Date | December 19, 2003 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Weizheng Wang, Tung-Sheng)
Lin, Ernest C. Chen, and)
William C. Lindsey)
Serial No.: 10/691,032) Group Art Unit: Unknown
Filed: October 22, 2003) Examiner: Unknown
For: UNBLIND EQUALIZER)
ARCHITECTURE FOR)
DIGITAL COMMUNICATION)
SYSTEMS)

Mail Stop 16
Director of the US Patent and Trademark Office
Post Office Box 1450
Alexandria, Virginia 22313-1450

**REQUEST FOR REFUND
(IMPROPER CHARGE OF DEPOSIT ACCOUNT)**

I. REFUND REQUEST

This is a request for a refund, with respect to the charge to Deposit Account 500449 shown on the statement dated 10-31-03, for the above-identified application. A copy of the monthly statement, in which the error referred to occurs, accompanies this request.

II. FEES CHARGED FOR WHICH REFUND REQUESTED

| | AMOUNT OF REFUND REQUESTED |
|----------------------------|----------------------------|
| Basic Filing Fee – Utility | \$770.00 |
| Claims in excess of twenty | \$ 72.00 |
| TOTAL REFUND REQUESTED | <u>\$842.00</u> |

III. EXPLANATION OF WHY CONTESTED CHARGE IS IN ERROR

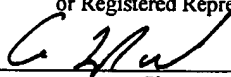
Attached hereto is a copy of a transmittal sheet accompanying a new patent application filed by Victor G. Cooper of the firm of Gates & Cooper, LLP. As indicated on the transmittal sheet, the filing fees should have been charged to **Deposit Account No. 50-0494**, rather than to Deposit Account No. 50-0449.

IV. MANNER OF REFUND

Please make refund by crediting Account No. 500449.


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop 16, Director of the US Patent and Trademark Office, Post Office Box 1450, Alexandria, Virginia 22313-1450, on December 19, 2003.

ANTHONY L. RAHHAL
name of applicant, assignee
or Registered Representative


Signature

12-19-2003
Date of Signature

Respectfully submitted,


Anthony L. Rahhal
Registration No. 37,562
McAFEE & TAFT
Tenth Floor, Two Leadership Square
211 North Robinson
Oklahoma City, Oklahoma 73102
Telephone: (405) 552-2306
FAX No.: (405) 228-7306
E-Mail Address: anthony.rahhal@mcafeetaft.com



UNITED STATES
PATENT AND
TRADEMARK OFFICE

MONTHLY STATEMENT
OF DEPOSIT ACCOUNT

To replenish your deposit account, detach and return top portion with your check. Make check payable to Director of Patents & Trademarks.

MCAFFEE & TAFT
JUDY WEBB
211 NORTH ROBINSON
TWO LEADERSHIP SQUARE, SUITE 1000
OKLAHOMA CITY OK 73102

FINA

Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

| | |
|-------------|----------|
| Account No. | 500449 |
| Date | 10-31-03 |
| Page | 1 |

PLEASE SEND REMITTANCES TO:
U. S. Patent and Trademark Office
P.O. Box 70541
Chicago, IL 60673

| DATE POSTED | | | CONTROL NO. | DESCRIPTION (Serial, Patent, TM, Order) | DOCKET NO. | FEE CODE | CHARGES/ CREDITS | BALANCE |
|--|-----|-----|-------------|--|-----------------|---------------|---------------------|-----------------|
| MO. | DAY | YR. | | | | | | |
| 10 | 2 | 03 | 2 | 09488334 | | 1401 | -320.00 | 3960.00 |
| 10 | 2 | 03 | 3 | 09488334 | | 2253 | -920.00 | 4880.00 |
| 10 | 2 | 03 | 4 | 09488334 | | 2401 | 160.00 | 4720.00 |
| 10 | 2 | 03 | 5 | 09488334 | | 2253 | 465.00 | 4255.00 |
| 10 | 6 | 03 | 23 | 10448448 | 22022.1 | 2051 | 10.00 | 4245.00 |
| 10 | 16 | 03 | 14 | 2076307 | | 9204 | -300.00 | 4545.00 |
| 10 | 16 | 03 | 17 | 2070645 | | 9204 | -300.00 | 4845.00 |
| 10 | 27 | 03 | 37 | 10691032 | PD-202088 | 1001 | 770.00 | 4075.00 |
| 10 | 27 | 03 | 38 | 10691032 | PD-202088 | 1202 | 72.00 | 4003.00 |
| AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT | | | | | OPENING BALANCE | TOTAL CHARGES | TOTAL CREDITS | CLOSING BALANCE |
| | | | | | 3640.00 | 1477.00 | 1840.00 | 4003.00 |

17414 US.PTO
102203IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): WEIZHENG WANG, TUNG-SHENG LIN, ERNEST C. CHEN, and WILLIAM C. LINDSEY
 Docket: PD-202088
 Title: UNBLIND EQUALIZER ARCHITECTURE FOR DIGITAL COMMUNICATION SYSTEMS

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV329954758US

Date of Deposit: October 22, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service Express Mail Post Office
 To Addressee's service under 37 CFR 1.10 and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria,
 VA 22313-1450.

By: 
 Name: Suzie McCleave

MAIL STOP PATENT APPLICATION

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate Of Mailing Under 37 CFR 1.10.
- ☒ Continuation-in-Part Patent Application: Spec. 29 pgs; 24 claims; Abstract 1 pg(s).
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ 24 sheets of Drawings.
- ☒ An unsigned Combined Declaration and Power of Attorney.
- ☒ A charge to Deposit Account in the amount of \$842.00 to cover the Filing Fees.
- ☒ Return postcard.

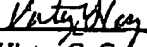
CLAIMS AS FILED

| Number of Claims Filed | In Excess of: | Number Extra | Rate | Fee |
|------------------------------|---------------|--------------|-----------|----------|
| Basic Filing Fee | | | | \$770.00 |
| Total Claims | | | | |
| 24 | 20 | 4 | x \$18.00 | \$72.00 |
| Independent Claims | | | | |
| 3 | 3 | 0 | x \$86.00 | \$0.00 |
| MULTIPLE DEPENDENT CLAIM FEE | | | | \$0.00 |
| TOTAL FILING FEE | | | | \$842.00 |

Please charge all fees to Deposit Account No. 50-0494. A duplicate of this sheet is enclosed.

GATES & COOPER LLP

Howard Hughes Center
 6701 Center Drive West, Suite 1050
 Los Angeles, CA 90045
 (310) 641-8797

By: 
 Name: Victor G. Cooper
 Reg. No.: 39,641
 Initials: VGC/GHG/sjm